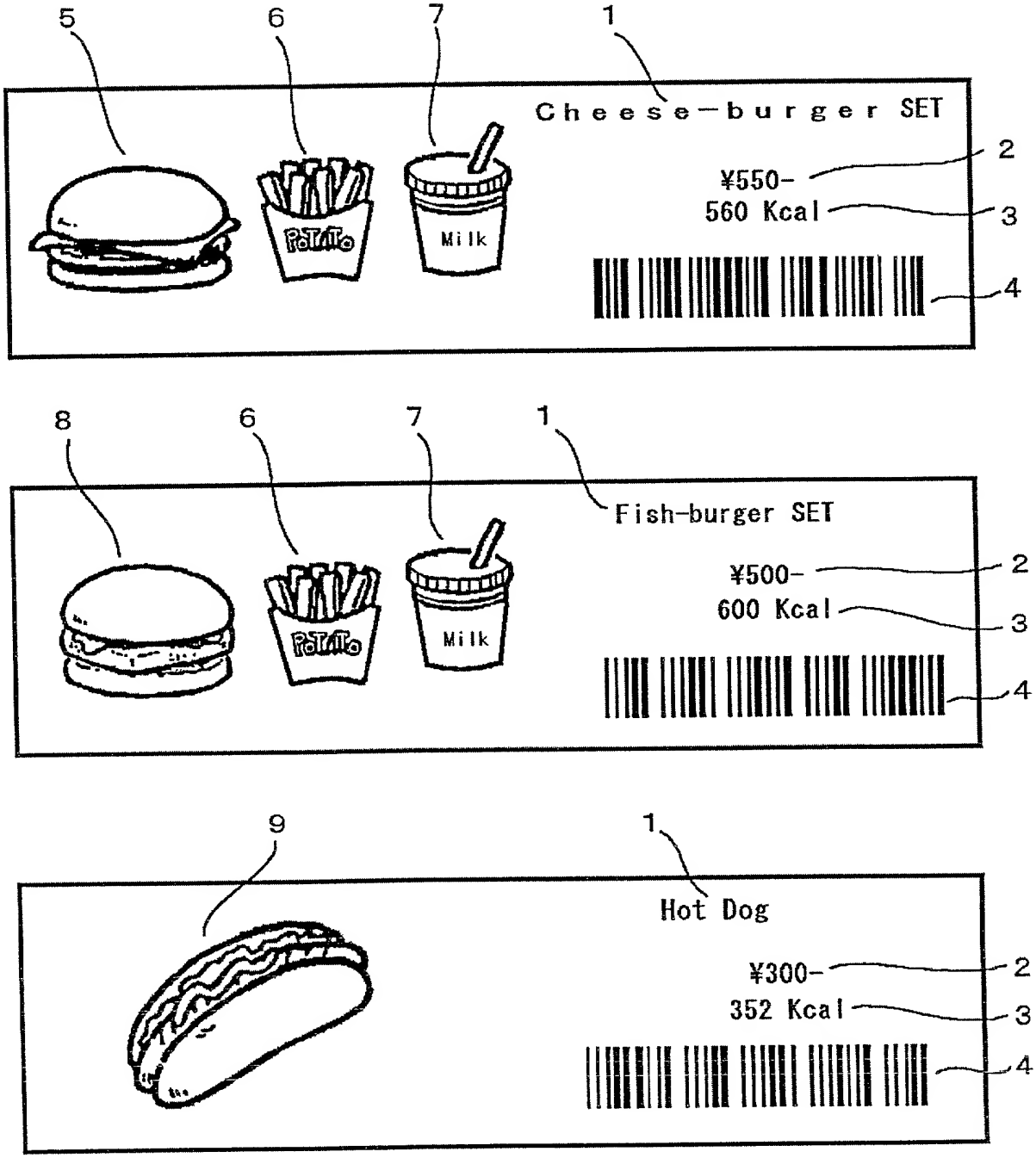
Fig. 1


5
6
7
1
Cheese-burger SET
¥550-
2
560 Kcal
3
Milk
4
8
6
7
1
Fish-burger SET
¥500-
2
600 Kcal
3
Milk
4
9
1
Hot Dog
¥300-
2
352 Kcal
3
4

002227 "1506m260

Fig. 2

Foodstuff/ Nutritional Element	Nutritional Element 1	Nutritional Element 2	Nutritional Element 3	Nutritional Element 4	Nutritional Element 5	Nutritional Element 6
A. Bread	2.0 units					
B. Potato	0.9 units					
C. Ground Beef			2.0 units			
D. Cheese			0.2 units			
E. Milk				1.4 units		
F: Salad Oil					0.4 units	
G. Lettuce						0.1 units
TOTAL	7.0 units (560Kcal)					

Nutritional elements 1 to 6 included in foodstuff A to G are described with 80 Kcal as a unit.

Fig. 3

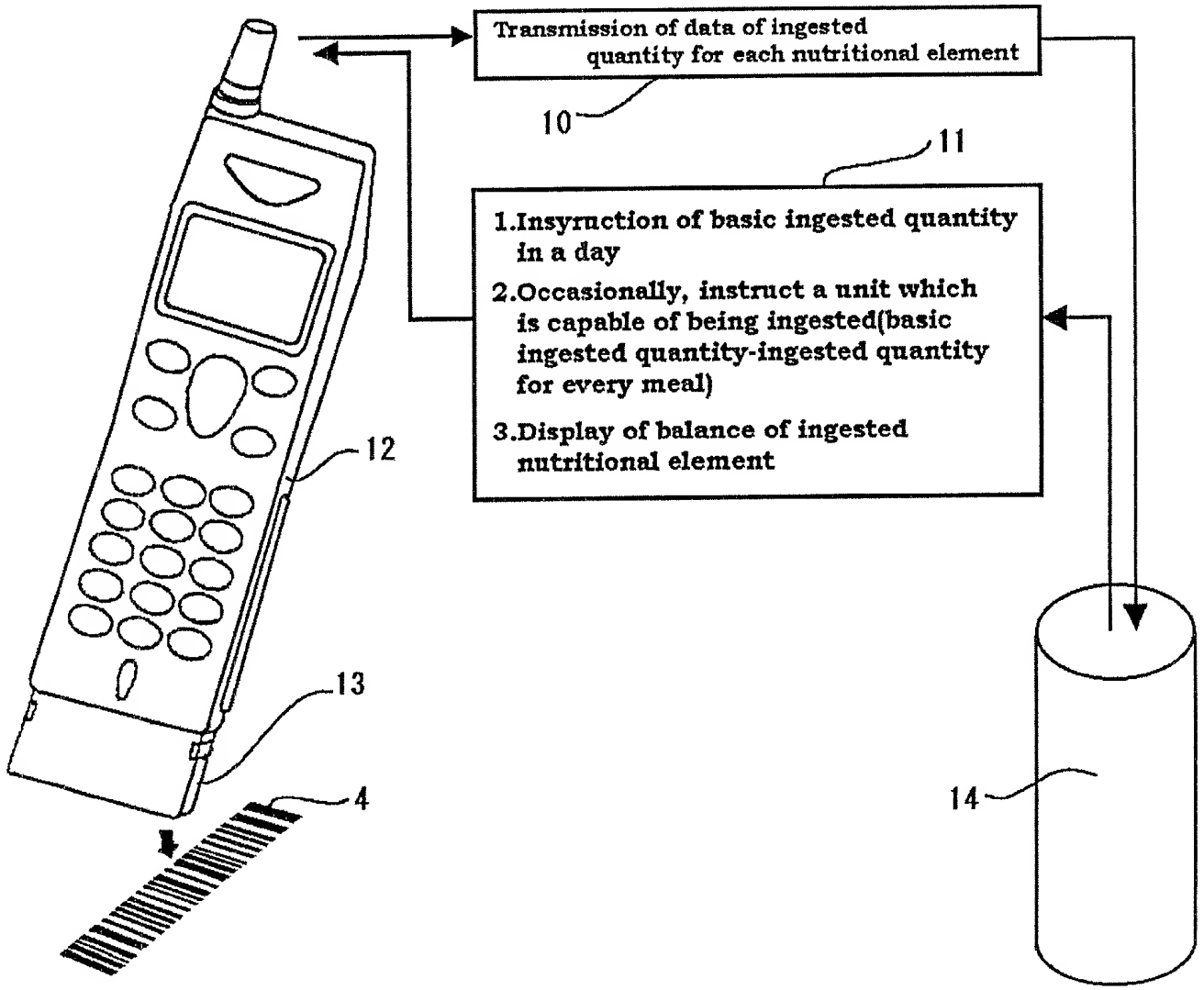

Transmission of data of ingested quantity for each nutritional element
10
11
1.Insyruction of basic ingested quantity in a day
2.Occasionally, instruct a unit which is capable of being ingested(basic ingested quantity-ingested quantity for every meal)
3.Display of balance of ingested nutritional element
12
13
4
14

Fig. 4

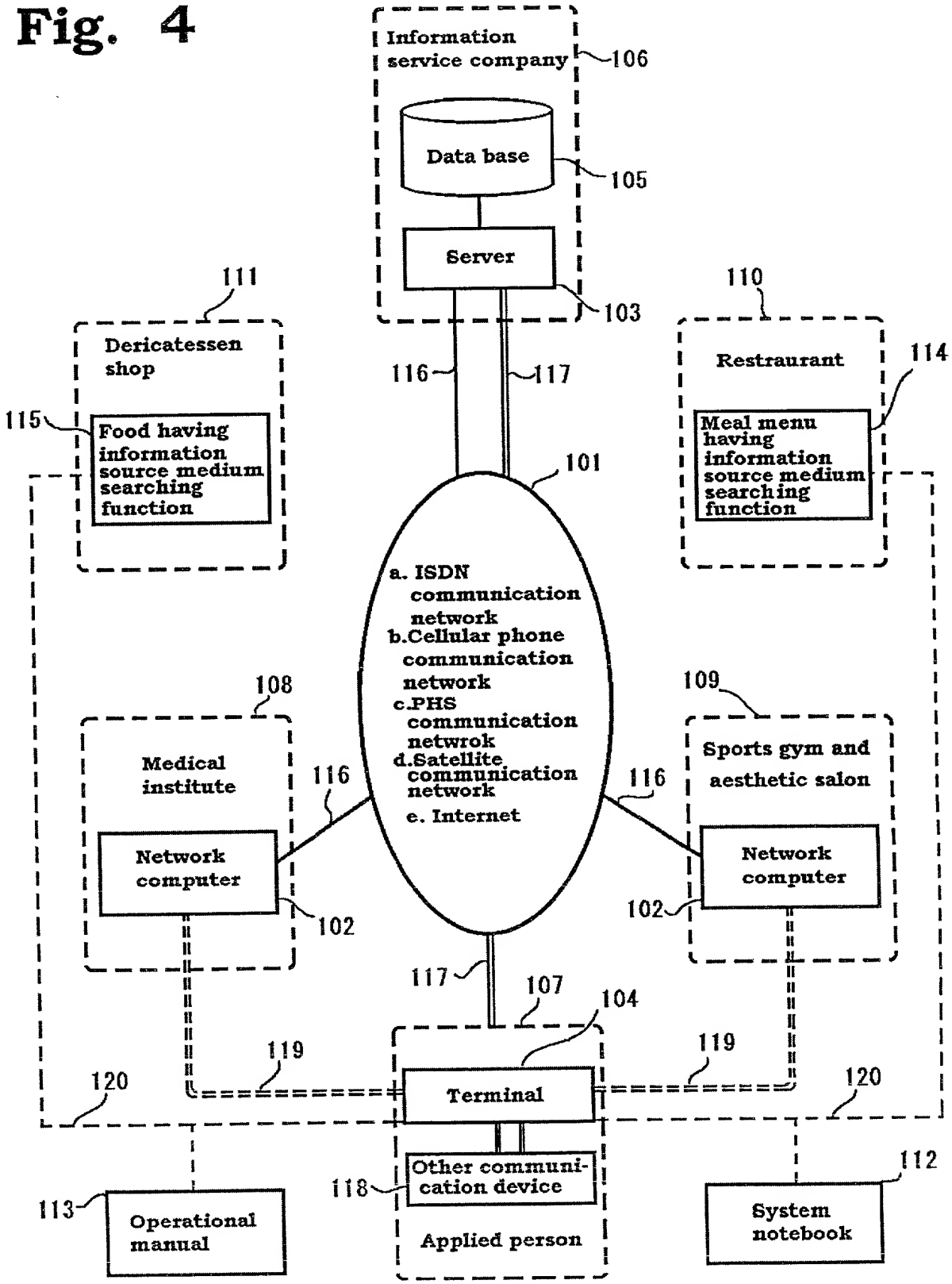

Information service company
106
Data base
105
Server
103
111
Dericatessen shop
115
Food having information source medium searching function
110
Restraurant
114
Meal menu having information source medium searching function
116
117
101
a. ISDN communication network
b.Cellular phone communication network
c.PHS communication netwrok
d.Satellite communication network
e. Internet
108
Medical institute
Network computer
102
109
Sports gym and aesthetic salon
Network computer
102
116
116
117
107
104
119
119
120
120
Terminal
Other communication device
118
Applied person
113
Operational manual
112
System notebook

Fig. 5

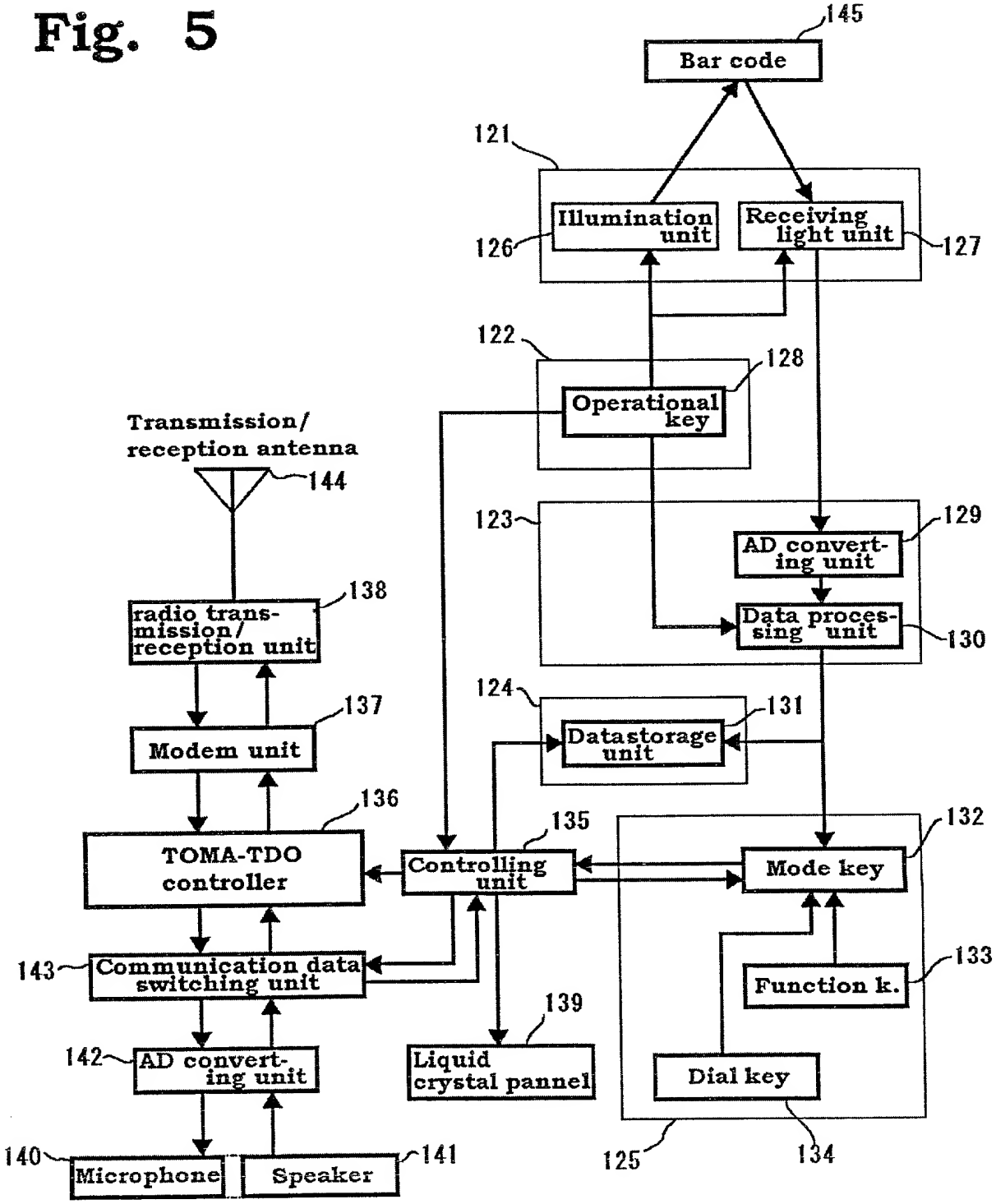

145
Bar code
121
Illumination unit
126
Receiving light unit
127
122
128
Operational key
Transmission/ reception antenna
144
123
129
AD convert-ing unit
Data proces-sing unit
130
138
radio trans-mission/ reception unit
124
131
Datastorage unit
137
Modem unit
136
135
132
TOMA-TDO controller
Controlling unit
Mode key
143
Communication data switching unit
133
Function k.
139
142
AD convert-ing unit
Liquid crystal pannel
Dial key
140
Microphone
Speaker
141
125
134

Fig. 6

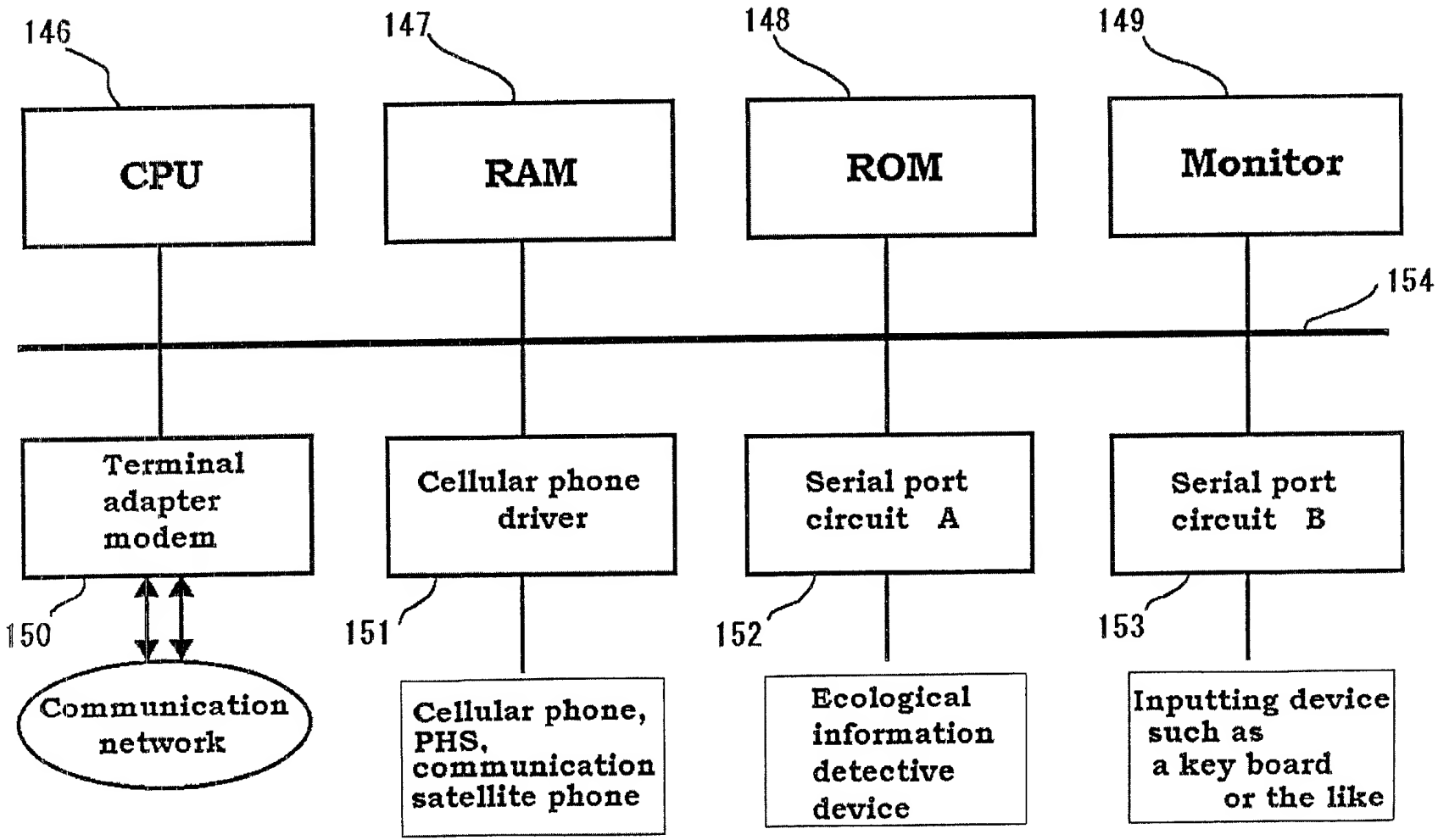
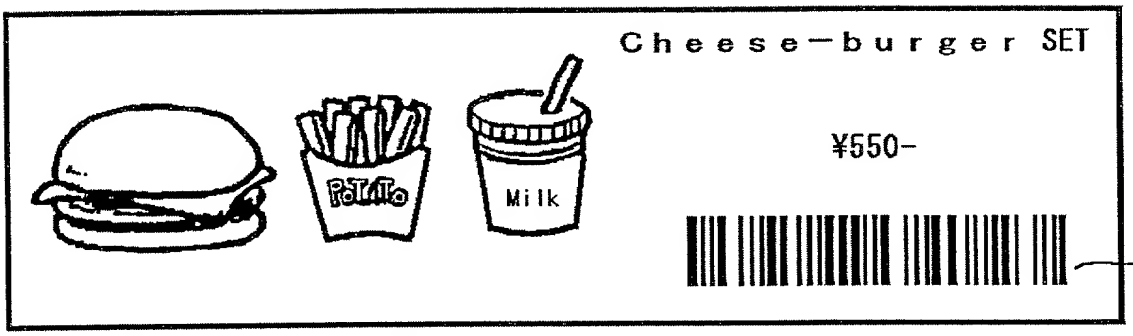

146
147
148
149
CPU
RAM
ROM
Monitor
154
Terminal adapter modem
Cellular phone driver
Serial port circuit A
Serial port circuit B
150
151
152
153
Communication network
Cellular phone, PHS, communication satellite phone
Ecological information detective device
Inputting device such as a key board or the like

Fig. 7



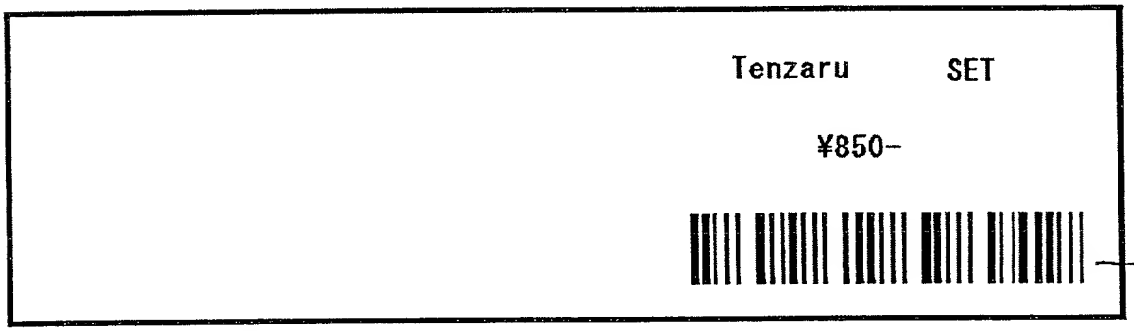


Fig. 8

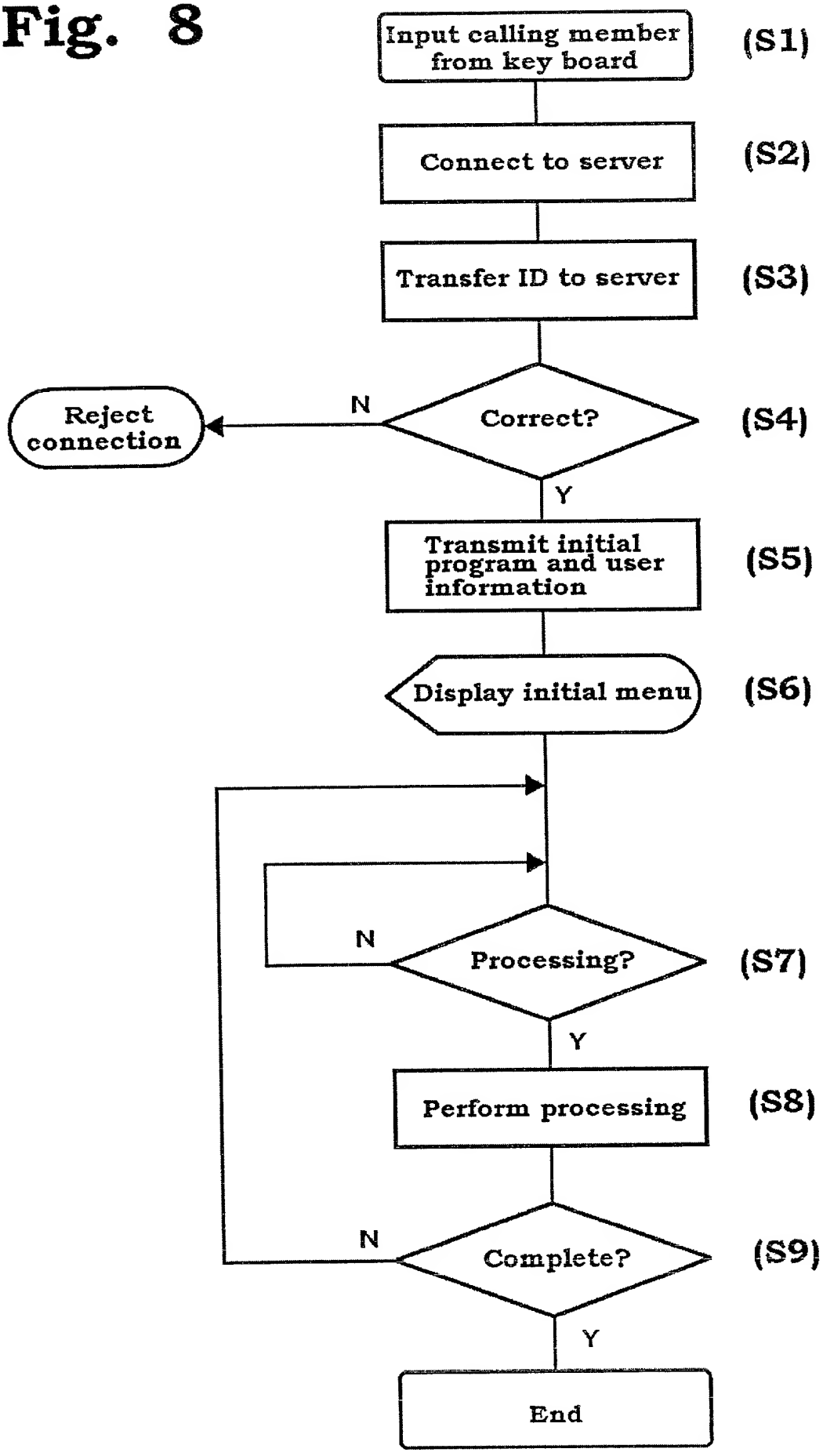

Input calling member from key board
(S1)
Connect to server
(S2)
Transfer ID to server
(S3)
Correct?
N
Reject connection
(S4)
Y
Transmit initial program and user information
(S5)
Display initial menu
(S6)
Processing?
N
(S7)
Y
Perform processing
(S8)
Complete?
N
(S9)
Y
End

Fig. 9

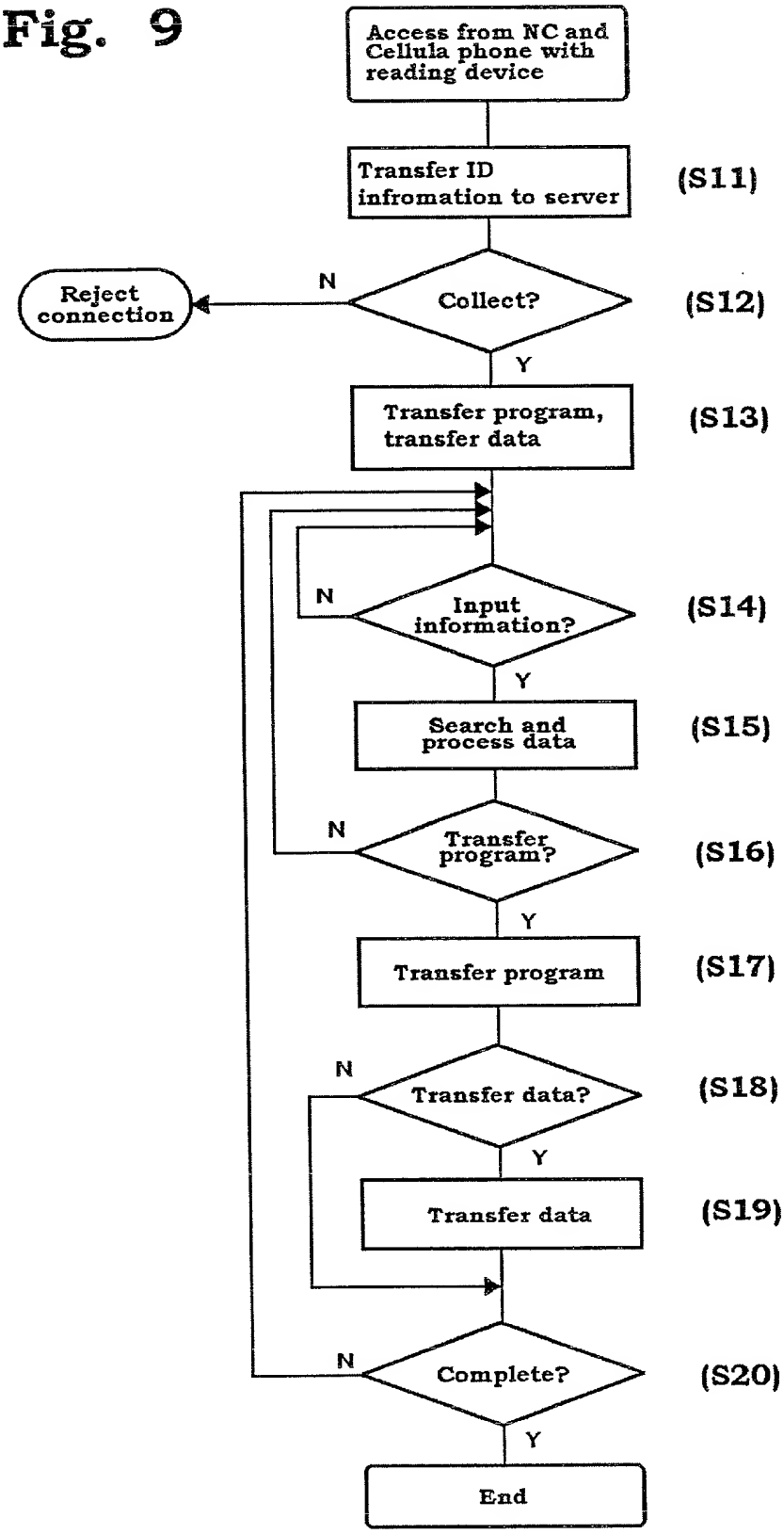

Access from NC and Cellula phone with reading device
Transfer ID infromation to server
(S11)
Collect?
N
Reject connection
(S12)
Y
Transfer program, transfer data
(S13)
Input information?
N
(S14)
Y
Search and process data
(S15)
Transfer program?
N
(S16)
Y
Transfer program
(S17)
Transfer data?
N
(S18)
Y
Transfer data
(S19)
Complete?
N
(S20)
Y
End

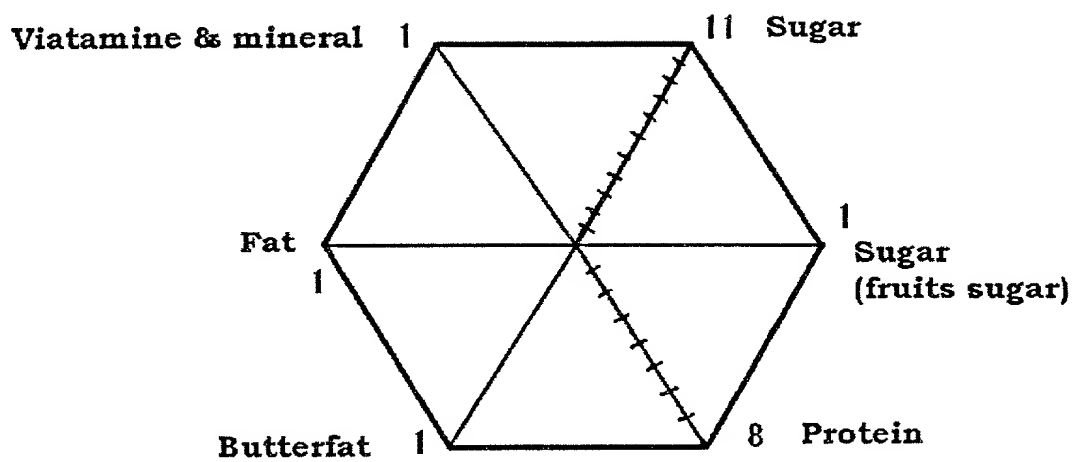
Fig. 10

ITEM	SUGAR	SUGAR (Fruits Sugar)	PROTEIN	BUTTERFAT	FAT	VITAMINE & MINERAL
Ingest quantity by breakfast	3.0	---	1.0	---	0.2	0.2
Ingest quantity by lunch	3.0	---	3.0	---	0.3	0.3
Ingest quantity by between meal & snack	1.0	1.0	---	1.0	---	---
Ingest quantity by supper	4.0	---	4.0	---	0.5	0.5
TOTAL	11.0	1.0	8.0	1.0	1.0	1.0

* Ingested calorie quantity in a day is determined as 1,800 Kcal (23 units)
* Numerical value is described with 80 Kcal as a unit

Fig. 11

A. Initial data
(ingested quantity in a day)



B. Data at lunch

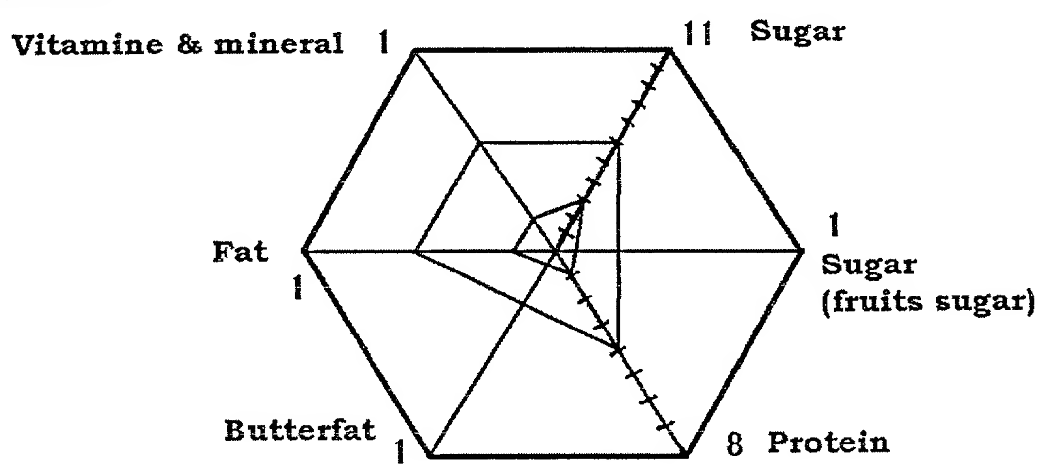


Fig. 12

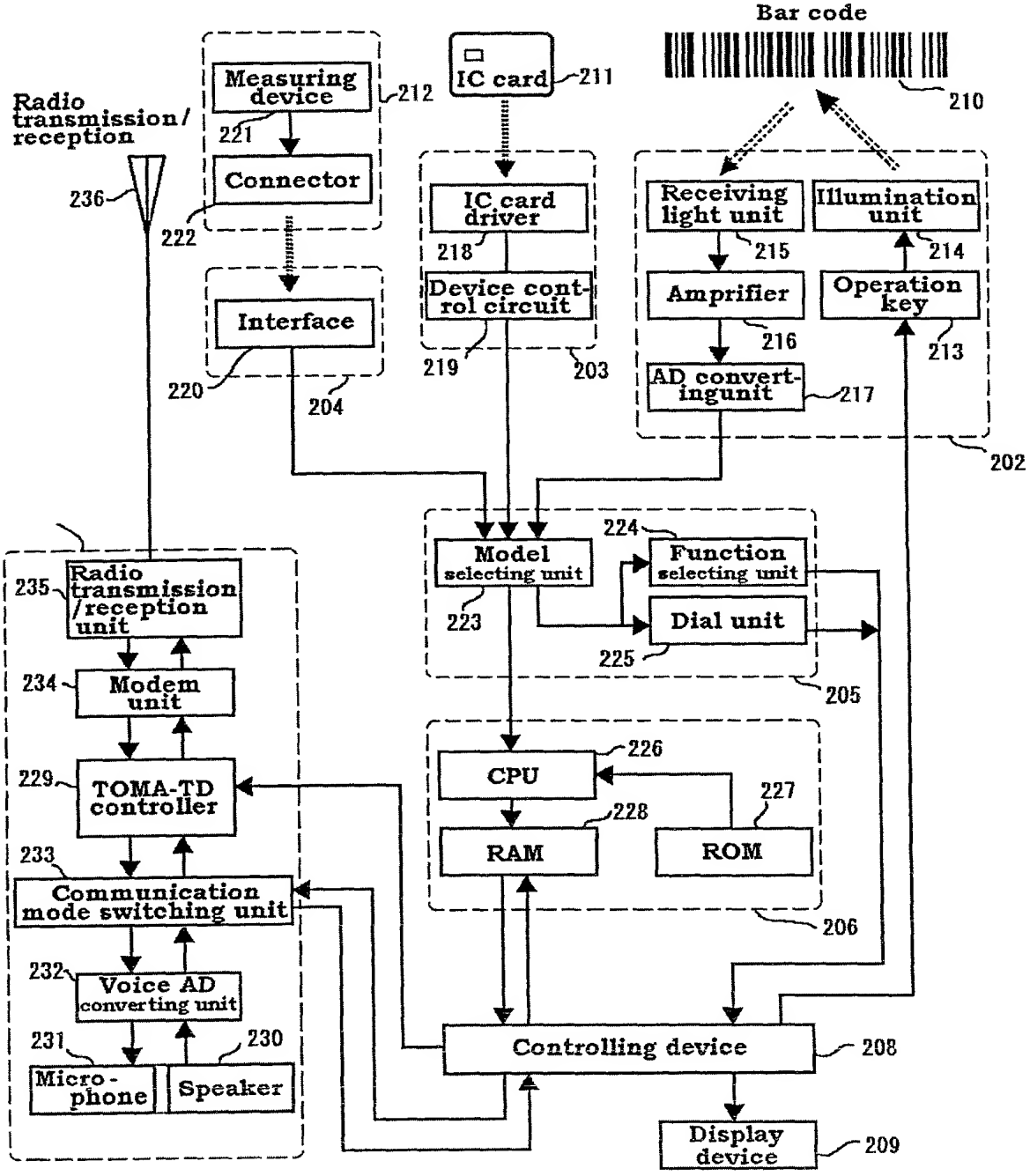

Bar code
210
IC card
211
Measuring device
212
221
Connector
222
Radio transmission/ reception
236
Interface
220
204
IC card driver
218
Device control circuit
219
203
Receiving light unit
215
Illumination unit
214
Amprifier
216
Operation key
213
AD converting unit
217
202
Model selecting unit
223
224
Function selecting unit
Dial unit
225
205
Radio transmission /reception unit
235
Modem unit
234
TOMA-TD controller
229
Communication mode switching unit
233
Voice AD converting unit
232
231
Micro-phone
230
Speaker
CPU
226
227
228
RAM
ROM
206
Controlling device
208
Display device
209

Fig. 13

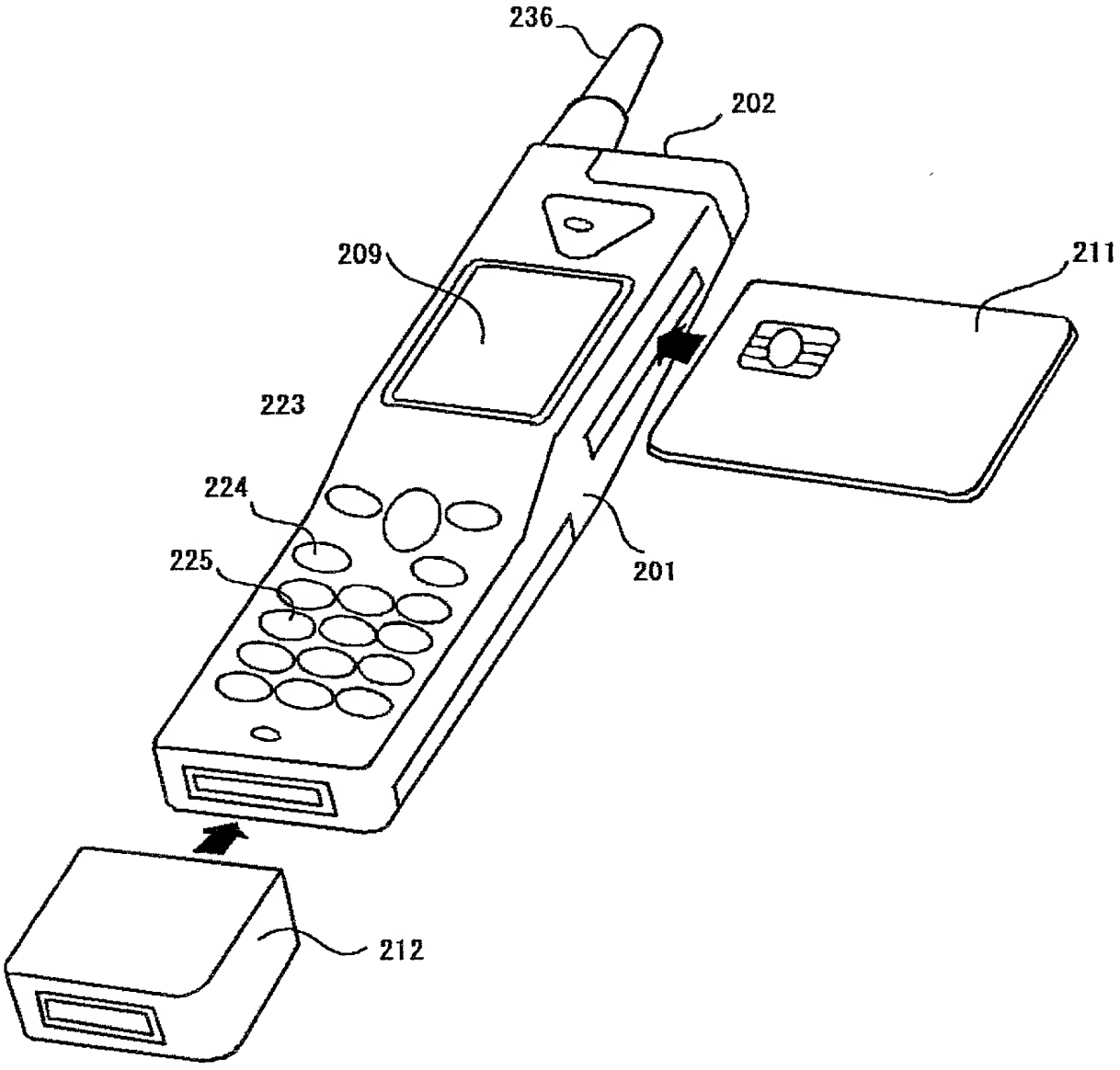


Fig. 14

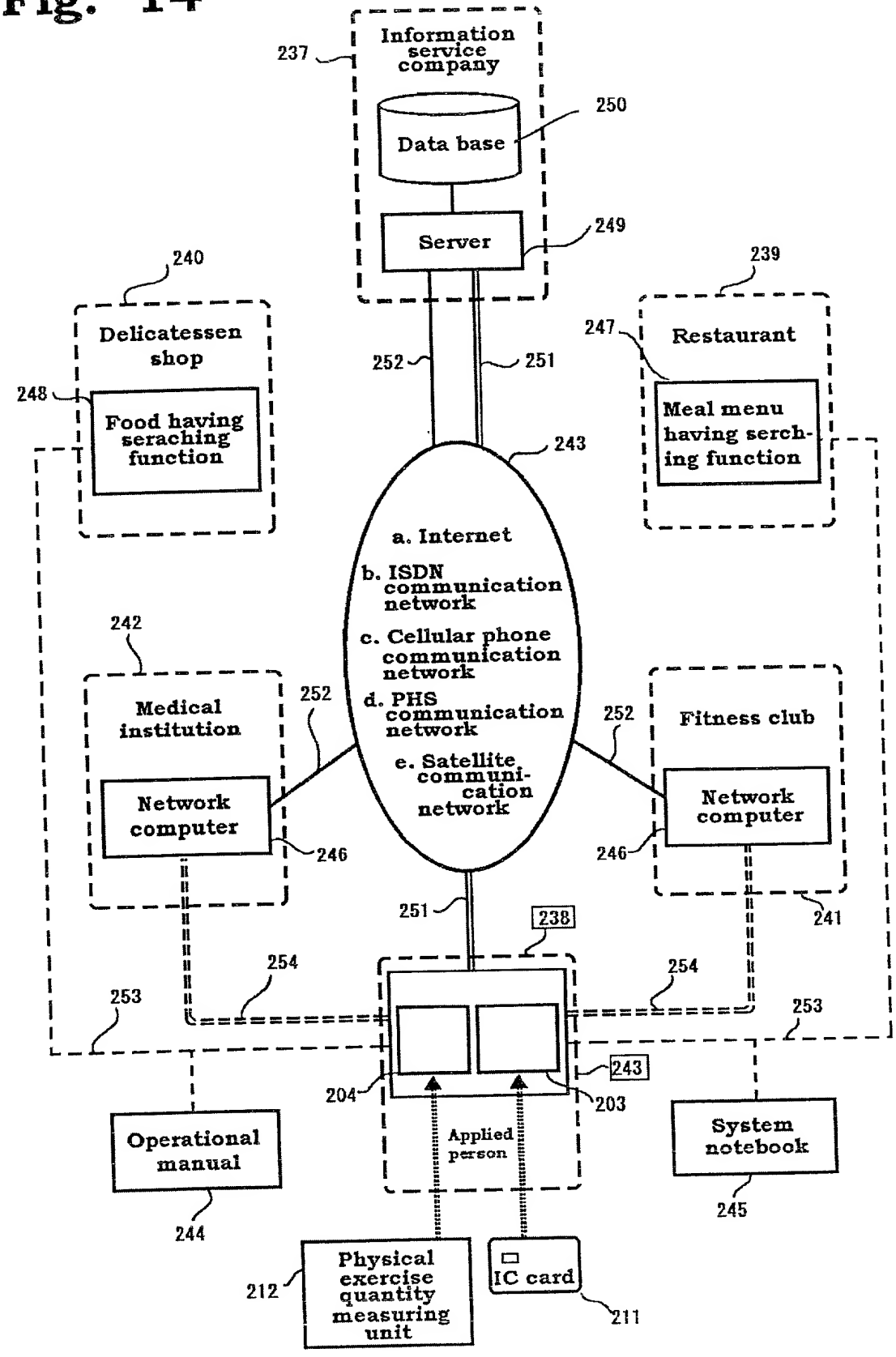

Information service company
237
Data base
250
Server
249
240
Delicatessen shop
248
Food having seraching function
239
Restaurant
247
Meal menu having serching function
252
251
243
a. Internet
b. ISDN communication network
c. Cellular phone communication network
d. PHS communication network
e. Satellite communication network
242
Medical institution
Network computer
246
Fitness club
Network computer
246
241
251
238
254
253
254
253
243
204
203
Applied person
Operational manual
244
System notebook
245
Physical exercise quantity measuring unit
212
IC card
211

Fig. 15

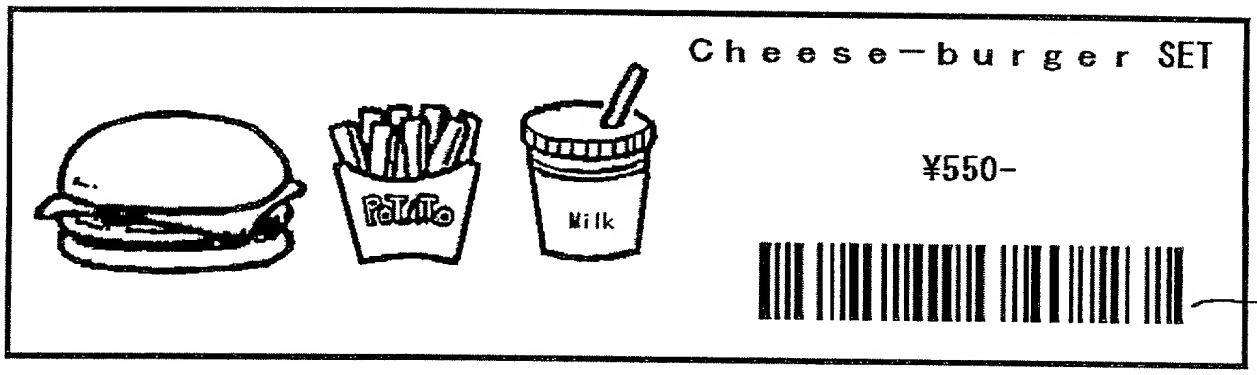


Fig. 16

Table 1, lunch (energy quantity for each nutritional element of cheese-burger set)

ITEM	SUGAR	FRUITS SUGAR	PROTEIN	BUTTER FAT	FAT	VITAMINE & MINERAL	TOTAL
INGEST QUANTITY	4.5	---	2.0	1.5	0.3	0.2	8.5 units
ENERGY QUANTITY	360	---	160	120	24	16	680 Kcal

Table 2, ingested quantity in a day (breakfast has been ingested, as lunch, cheese-burger is ingested, supper is not ingested)

ITEM	SUGAR	FRUITS SUGAR	PROTEIN	BUTTER FAT	FAT	VITAMINE & MINERAL	TOTAL
Ingest quantity by breakfast	3.0	---	1.0	---	0.2	0.2	4.4 units
Ingest quantity by lunch	4.5	---	2.0	1.5	0.3	0.2	8.5 units
quantity which can be ingested	4.5	1.0	3.5	---	0.5	0.6	10.1 units
Ingest quantity in a day	12.0	1.0	6.5	1.5	1.0	1.0	23.0 units

- Calorie quantity whichapplied person can ingest is determined as 800 Kcal (23 units).
- Numerical value of ingested quantity described with 80 Kcal as a unit.

Fig. 17

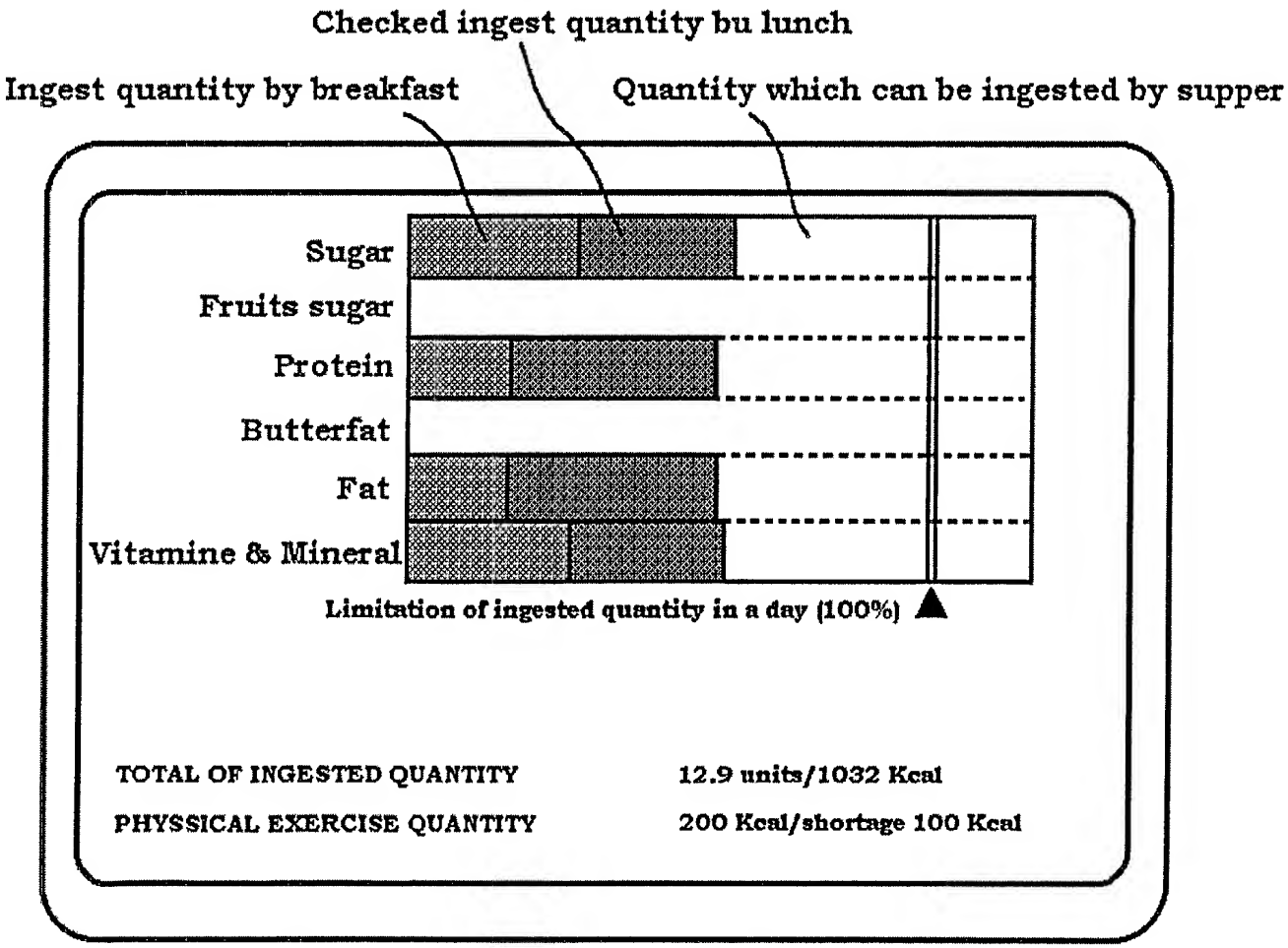

Checked ingest quantity bu lunch
Ingest quantity by breakfast
Quantity which can be ingested by supper
Sugar
Fruits sugar
Protein
Butterfat
Fat
Vitamine & Mineral
Limitation of ingested quantity in a day (100%)
TOTAL OF INGESTED QUANTITY
12.9 units/1032 Kcal
PHYSSICAL EXERCISE QUANTITY
200 Kcal/shortage 100 Kcal

Fig. 18

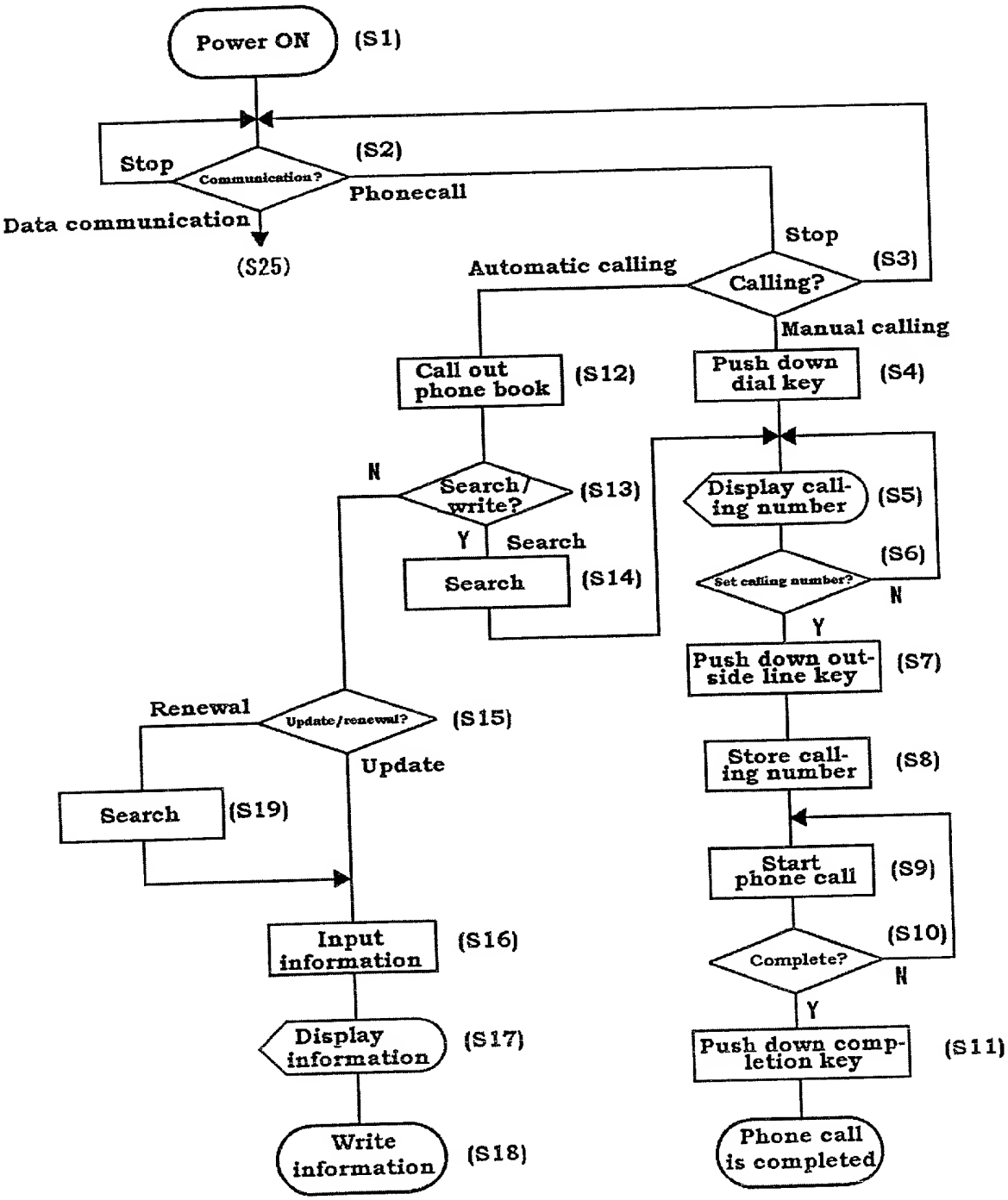
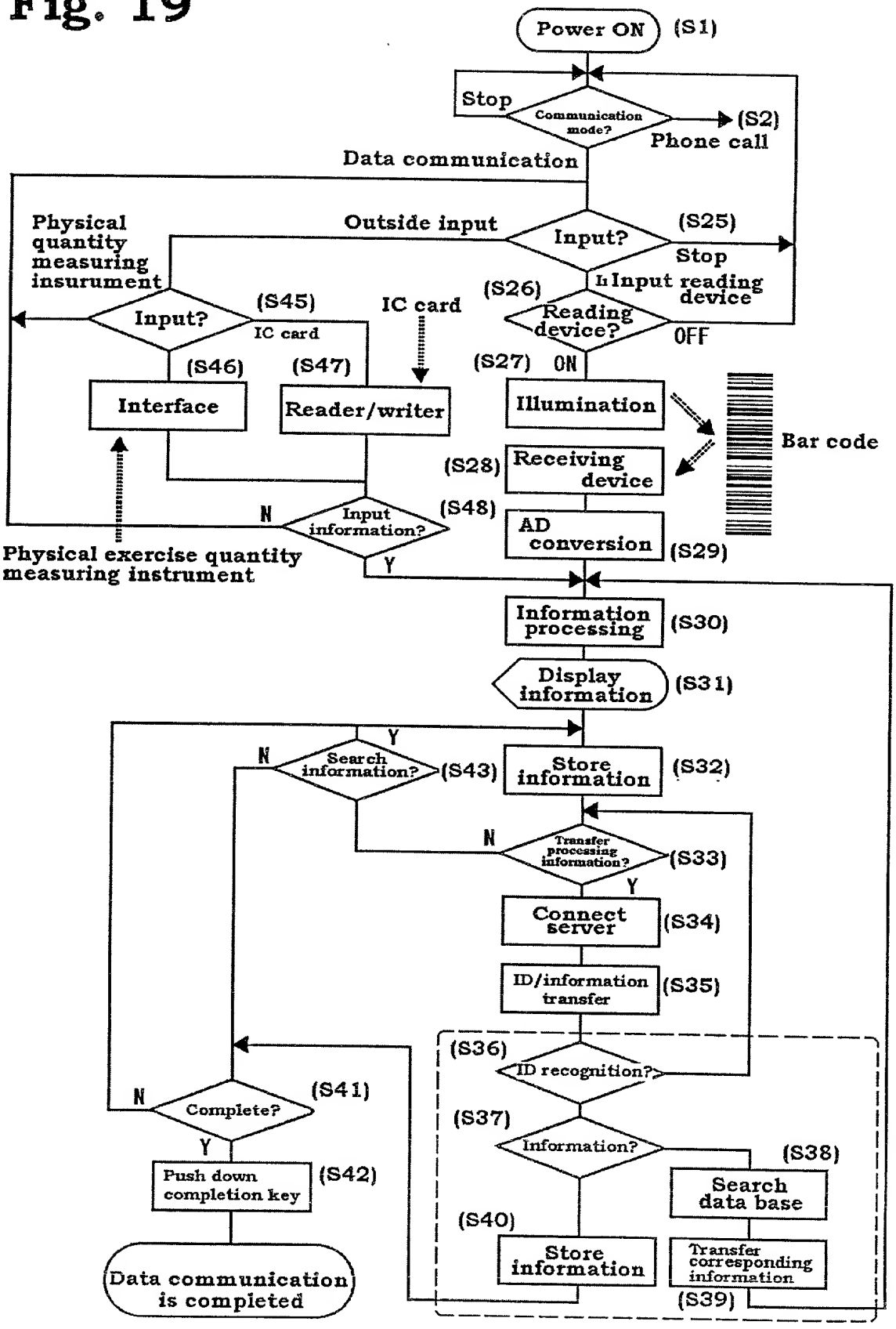

Power ON
(S1)
Stop
Communication?
(S2)
Phonecall
Data communication
(S25)
Stop
Automatic calling
Calling?
(S3)
Manual calling
Call out phone book
(S12)
Push down dial key
(S4)
N
Search/ write?
(S13)
Y
Search
Search
(S14)
Display calling number
(S5)
(S6)
Set calling number?
N
Y
Push down outside line key
(S7)
Renewal
Update/renewal?
(S15)
Update
Store calling number
(S8)
Search
(S19)
Start phone call
(S9)
Input information
(S16)
(S10)
Complete?
N
Y
Display information
(S17)
Push down completion key
(S11)
Write information
(S18)
Phone call is completed

Fig. 19


Power ON
(S1)
Stop
Communication mode?
(S2)
Phone call
Data communication
Physical quantity measuring insurument
Outside input
Input?
(S25)
Stop
Input reading device
(S26)
Reading device?
OFF
(S45)
Input?
IC card
IC card
(S46)
Interface
(S47)
Reader/writer
(S27)
ON
Illumination
Bar code
(S28)
Receiving device
N
Input information?
(S48)
AD conversion
(S29)
Physical exercise quantity measuring instrument
Y
Information processing
(S30)
Display information
(S31)
Y
N
Search information?
(S43)
Store information
(S32)
N
Transfer processing information?
(S33)
Y
Connect server
(S34)
ID/information transfer
(S35)
(S36)
ID recognition?
N
Complete?
(S41)
(S37)
Information?
(S38)
Y
Push down completion key
(S42)
Search data base
(S40)
Store information
Transfer corresponding information
Data communication is completed
(S39)